



PATENT ABSTRACTS OF JAPAN

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(57) Abstract:

PROBLEM TO BE SOLVED: To display a three dimensional image of a moving organ as a moving image, by producing M sheets of CT planes and making a CT plane position capable of being changed toward a second direction in N steps synchronizing with the movement cycle.

SOLUTION: The position of a scanning plane in a first beat with reference with a cardiac signal is made to be R_1 , and M times of scanning in one beat are carried out. That is, M sheets of scanning planes are formed. The position of a scanning plane in a second beat is made to be R_2 shifted by one step and M scanning planes are formed in a second beat in a condition that the scanning plate is fixed. When a processing syn-

chronizing with a cardiac signal is carried out to N-th beat, M sheets of three-dimensional ultrasonic images with different time phases in one moving cycle of an organ are stored in a multiframe memory. Three dimensional moving images can be displayed by displaying image data of each plate from a plate P_1 to a plate P_M s, and trend graphs are simultaneously displayed on one display 29.

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